MERCURY

Certified Industrial Hygiene Training Course

25 – 29 January 2027
Cape Town (South Africa)



Dubai - UAE: +971 4 450 5697
Istanbul - Türkiye: +90 539 599 1206
Amman - Jordan: +962 79 712 3347

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Ref: 7011_1052679 **Date:** 25 – 29 January 2027 **Location:** Cape Town (South Africa) **Fees:** 5300 Euro

Introduction

This certified industrial hygiene program covers all the fundamental concepts of industrial hygiene, including anticipating, recognizing, evaluating, communicating, and controlling workplace conditions that can potentially cause occupational disease and illness.

The industrial hygiene program is aimed at individuals and managers who wish to learn more about or enhance their industrial occupational hygiene knowledge.

In our introductory unit, participants will explore what it means to take on the role of becoming an industrial hygienist, including understanding the certified industrial hygienist requirements and what an industrial hygienist does.

Fundamentals of Industrial Hygiene

As part of the broader curriculum, this industrial hygiene course will also cover the fundamentals of industrial hygiene. Participants will learn about industrial hygiene equipment with certification and why an industrial hygiene certificate is critical to professional development in this field.

Throughout this course, those aspiring to become certified industrial hygienists will comprehend the certified industrial hygienist certification process and the importance of industrial hygienist training to meet the certified industrial hygienist requirements.

Targeted Groups

The industrial hygiene course is designed for everyone involved in safety, health, environment, and management personnel with industrial hygiene responsibilities and for all personnel working in the catering field and offices.

Course Objectives

Upon the end of this industrial hygiene course, the participants will be able to:

- Understand and apply the concepts of industrial hygiene.
- Perform Hazard identification tasks.
- Obtain an in-depth knowledge of the industrial hygiene range of topics.
- Learn about the different types of occupational diseases and illness conditions.
- Understand how to anticipate, recognize, evaluate, communicate, and control workplace conditions.

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Targeted Competencies

At the end of this industrial hygiene course, the target competencies will be able to:

- Occupational hygiene program principles.
- Health hazards biological and chemical.
- Essential sciences human anatomy, biology, and chemical effects.
- Occupational diseases.
- Health, sampling, measurement, and evaluation techniques.

Course Content

Unit 1: Introduction to Industrial Hygiene

- What is industrial hygiene?
- Industrial hygiene management systems.
- Occupational exposure standards.
- Overview of the types of health risks.
- Occupational diseases and illness conditions.

Unit 2: Understanding Health Risks

- The human system skeleton, muscles, nerves, circulation, respiratory, skin, and sense organs.
- Methods of identifying health risks.
- Biological risks.
- Chemical risks.
- Physical risks.
- Radiation risks ionizing and non-ionizing.

Unit 3: Industrial Toxicology

- Exposure routes to hazardous substances.
- Health effects and classification of hazardous substances.
- Toxic, irritant, asphyxiant and anesthetic.
- Hepatotoxic agents.
- Nephrotoxic agents.
- Neurotoxic agents.
- Blood damaging agents.
- Lung damaging agents.

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Unit 4: Measuring and Evaluating Health Risks

- Recognition of potential health risks.
- Sampling of gasses, vapors, and particulates.
- Walk-through surveys.
- Health surveillance programs.
- Health risk assessment reviews.
- Methods of controlling health risks.
- Determining health risk control methods.

Unit 5: Monitoring and Recording Health Risk Controls

- Biological monitoring and medical surveillance.
- Hearing conservation programs.
- Occupational diseases and illness condition prevention programs.
- Learning from incidents of ill health.
- Step-by-step guide for managing health risks.